

VII.—*Floræ Insularum Novæ Zelandiæ Precursor; or a Specimen of the Botany of the Islands of New Zealand.* By ALLAN CUNNINGHAM, Esq.

[Continued from vol. i. p. 462.]

CONVOLVULACEÆ, Juss.

1. CALYSTEGIA, R. Br.

394. *C. sepium*. Br. Prodr. i. p. 483. A. Rich. Fl. Nov. Zel. p. 250. Ræm. and Sch. Syst. Veg. iv. p. 182.—*Convolvulus sepium*. L. Engl. Bot. t. 313.—*C. Tugurionum*. Forst. Prodr. n. 74.

New Zealand (Middle Island).—1773, G. Forster. (Northern Island), River Thames.—1827, D'Urville. Bay of Islands in marshy ground.—1826. A. Cunningham. Wytangy and Keri-Keri rivers.—1834, R. Cunningham.

395. *C. Soldanella*. Ræm. and Sch. Syst. Veg. iv. p. 184. A. Rich. Fl. Nov. Zel. p. 200. Endl. Prodr. Fl. Norf. p. 52.—*Convolvulus Soldanella*, L. Engl. Bot. t. 314.

Ponè incolarum Tolagæ. D'Urville.

New Zealand (Northern Island).—1769, Sir Jos. Banks. Tolaga Bay, east coast.—1827, D'Urville. Shores of the Bay of Islands.—1834, Rich. Cunningham.

Obs. L'espèce que M. R. Brown a décrite sous le nom de *Calystegia reniformis*, ne diffère en rien du *C. Soldanella*, Rich. loc. cit. conf. R. Br. Prodr. p. 484.

2. IPOMÆA, Jacq.

396. *I. pendula*. R. Br. Prodr. i. p. 486. Endl. Prodr. Fl. Norf. p. 52. Andr. Rep. 613.

New Zealand (Northern Island). On the banks of the Hokianga river among fern; also on the Kana-Kana river, Bay of Islands.—1834, R. Cunningham.

3. DICHONDRA, Forst. Char. Gen.

397. *D. repens*. Forst. Prodr. n. 134. Br. Prodr. i. p. 491. Willd. Sp. Pl. 1. p. 1353. Smith Ic. Ined. i. p. 8. t. 8. A. Rich. Fl. Nov. Zel. p. 201.—*Steripha reniformis*. Banks and Sol. Mss. in Bibl. Banks.

New Zealand (Northern Island).—1769, Sir Jos. Banks. 1826, Bay of Islands.—A. Cunningham.—1834, R. Cunningham.

GENTIANEÆ, Juss.

1. GENTIANA, L.

398. *G. saxosa*; corollis quinquefidis campanulatis, floribus longe pedunculatis subumbellatis, foliis caulinis subremotis spathulatis carnosis glabris, radicalibus approximatis. Forst. Prodr. n. 132. A. Rich. Fl. Nov. Zel. p. 202. Willd. Sp. Pl. 1. p. 1357.

New Zealand (Middle Island). On rocks washed by the sea, Dusky Bay.—1773, G. Forster.—1791, A. Menzies.

399. *G. montana*; corollis quinquefidis campanulato-infundibuliformibus, floribus pedunculatis subcorymbosis solitariisve, foliis caulinis remotis sessilibus ellipticis ovatisve, infimis approximatis basi attenuatis. *Br. Prodr.* 1. p. 450. *Forst. Prodr. n.* 133. *A. Rich. Fl. Nov. Zel.* p. 203. *Willd. Sp. Pl.* 1. p. 1334.

New Zealand (Middle Island). On the bare and bleak summits of the loftiest mountains.—1773, *G. Forster*.

2. *SEBÆA, Soland. R. Br.*

400. *S. ? gracilis*, corollis quinquefidis, calycis carinis simplicibus, foliis ovato-oblongis obtusiusculis nerviis, caule gracili tetragono membranaceo, capsula cylindrica.

New Zealand (Northern Island). In bogs at Mangamuka, Hokianga.—1834, *R. Cunningham*.

I have referred this slender plant to *Sebæa*, notwithstanding the spirally twisted anthers, *post anthesin*; the capsule being bilocular and margins of the valves inflexed. It differs from *S. ovata*, *Br.* in having a long cylindrical capsule, leaves without defined nerves, and a habit altogether more slender.

LOGANIEÆ, *R. Br. in Flind. Voy.*

Von Mart. Nov. Gen. & Sp. Pl. 2. p. 133.

Flos anisomerius. Calyx liber quinquepartitus. Corolla limbo æquali, seu inæquali æstivatione convolutiva. Stamina e corolla isogenea quinque (vel unum). Pollen vittato-trilobum (in Pagamea). Stylus insertus? Stigma simplex. Capsula bilocularis, placentis originatus vel tandem liberis; aut drupa mono-vel dipyrena, pyrenis mono-dispermis. Albumen carnosum vel cartilagineum. Embryo orthotropus, Martius.

1. GENIOSTOMA*, *Forst.*

(*ANASSER, Juss. ASPILOBIUM, Soland.*)

Calyx quinquefidus persistens. Corolla tubulosa vel subcampanulata fauce barbata, limbo quinquepartito, laciniis incurvatis vel reflexis. Stamina 5, filamenta brevissima in fauce inserta. Antheræ biloculares. Stigma capitatum. Ovarium biloculare. Capsula 2-ocularis, bivalvis, valvis integris, marginibus inflexis angustis insertis placentis duabus invicem cohærentibus, et post dehiscenciam valvularum persistentibus. Semina numerosa.—Arbores vel frutices. Folia opposita, petiolata,

* The other species may be thus distinguished :

G. rupestre, Forst., arboreum, foliis oblongo-lanceolatis acuminatis coloribus, corolla laciniis involutis, stigmatibus capitato sublamellosis.

Hab. In Insula Tanna. *G. Forster*.

G. borbonicum, fruticosum, foliis ovatis obtusiusculis.—*Anassera borbonica. Lam. Illustr.* 1. p. 40. *Rcem. et Sch. Syst. Veg.* iv. p. 204. *Pers. Syn.* i. p. 264.

Hab. In Insula Borbonia. *Commerson.*

stipulata, integra, venosa; stipulæ in vaginas intrapetiolares connatæ. Flores axillares, subverticillati, cymosi. Pedunculi subsimplices, filiformes, bracteis binis medio instructi.

401. *G. ligustrifolium*, fruticosum, foliis ellipticis ovatisve acuminatis subtus discoloribus, laciniis corollæ reflexis, stigmatē depresso-capitato.—*G. rupestris*. *A. Rich. Fl. Nov. Zel. p. 207. non Forst.*—*Aspilotum lævigatum. Banks et Sol. Mss. Hungi hungi Incol. R. Cunn.*

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. In dry woods, Bay of Islands.—1826, *A. Cunningham*.—1827, *D'Urville*.—1834, *R. Cunningham*.

APOCYNEÆ, *R. Br.*

1. PARSONSIA, *Br.*

402. *P. heterophylla*; paniculis terminalibus, tubo corollæ laciniis calycis triplo longiore, foliis ovato-lanceolatis integerrimis mucronatis vel elongato-lanceolatis attenuatis repandis, ramulis pubescentibus. *Periploca capsularis. Forst. A. Rich. Fl. Nov. Zel. p. 205.—Pi Incolarum.*

New Zealand (Northern Island). Shady woods at Wangaroa.—1826, *A. Cunningham*. At Hokianga, &c.—1834, *R. Cunningham*.

Upon comparing specimens of this plant recently gathered with authentic samples of *Periploca capsularis*, Forst. (in the Banks. Herb.) they appear identically the same species. Yet the latter is described by its discoverer (*Prodr. n. 126*) as having small flowers in axillary racemes shorter than the leaves, and the tube of the corolla shorter than the segments of the calyx. According to Sprengel, Forster's plant is identical with *Echites corymbosa (Jacq. Amer.)*

OLEINEÆ, *Hoffmansegg & Link.*

OLEA, *L.*

403. *O. apetala, Vahl. Endl. Prodr. Fl. Norf. p. 56. Ræm. et Sch. Syst. Veg. i. p. 71. Excl. syn. Andrewsii.*

New Zealand (Northern Island). A tree 25 feet high, on the banks of rivers, &c.—1769, *Sir Jos. Banks*.—1826, *A. Cunningham*.

The iron wood of the earlier colonists on Norfolk island, where it attains a height of forty feet.

SAPOTEÆ, *Juss.*

ACHRAS, *L.*

404. *A. costata. Endl. Prodr. Fl. Norf. p. 49.*

New Zealand (Northern Island). A small tree between the villages of Ngaire and Wainai, opposite the Cavallos Isles, off the east coast.—1833, *R. Cunningham*.

Obs. The specimens with which I have been furnished, without fructification, have been compared with those indigenous to Norfolk Island; and so far as the venation, general structure and figure of

the leaves have enabled me to determine, the New Zealand sea coast plant is identical with that elaborately described by M. Endlicher from Norfolk Island.

MYRSINEÆ, R. Br.

MYRSINE, L.

405. *M. Urvillei*; glabra, foliis ovatis obtusis integris (undulatis) pellucido-punctatis, floribus subsessilibus fasciculatis (4) 5-andris polygamis, lobis calycinis minimis dentiformibus, antheris sessilibus ovoideis. DC. (*rev. Nat. Ord. Myrs.*) in *Linn. Tr. v. 17. p. 105.*—*M. undulata*. A. C. Mss. 1826.—*Merista lævigata*. Banks et Sol. Mss. 1769.—*Suttonia australis*. A. Rich. Fl. Nov. Zel. p. 349. t. 38. *Tepan* Incol.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. In dry woods, Bay of Islands.—1826, *A. Cunningham*. (Middle Island) Tasman's Bay. 1827, *D'Urville*.

406. *M. ? divaricata*; ramis valde divaricatis arcuatis dependentibus glabris, foliis (semiuncialibus ad extremitatem ramulorum 2—3) late obcordatis seu emarginatis retusis coriaceis venosis, margine incrassatis, paginisque punctatis, punctis pellucidis rubescentibus, lobis calycinis (quaternis) ovatis obtusis glabris, bacca "globosa" pedicellata nigro-punctata.

New Zealand (Northern Island). A shrub found at the head of the Wycaddy river, Bay of Islands; also near the mission station on the Hokianga.—1834, *R. Cunningham*.

EPACRIDEÆ, R. Br.

1. CYATHODES, Labill.

407. *C. acerosa*, foliis lineari-oblongis linearibusve (semiuncialibus) patulis cuspidatis subtus glaucis 3—5-nerviis, nerviis extimis pectinatis ramulosis, margine ciliatis. R. Br. Mss. *Ræm. et Sch. Syst. Veg. iv. p. 473.*—*Styphalia acerosa*. Banks et Sol. Mss.—*Leucopogon Forsteri*. A. Rich. Fl. Nov. Zel. p. 216.—*Epacris juniperina*. Forst. Prodr. n. 71.

New Zealand (Northern Island).—1769, *Sir Jos. Banks*. Summits of the hills Wangaroa.—1826, *A. Cunningham*. (Middle Island), *Astrolabe harbour*.—1827, *D'Urville*.

2. LEUCOPOGON, R. Br.

408. *L. fasciculatus*, spicis aggregatis solitariisve nutantibus, ovariis trilocularibus, drupis globosis, foliis lanceolatis planiusculis 5-nerviis, margine serrulatis, ramulis pubescentibus. A. Rich. Fl. Nov. Zel. p. 215.—*Epacris fasciculata*. Forst. Prodr. n. 72.

New Zealand (Northern Island). A large shrub in close forests. Kana Kana river, Bay of Islands.—1826, *A. Cunningham*. (Middle Island).—1773, *G. Forster*.

409. *L. Fraseri*, pumilus, pedunculis brevissimis erectis unifloris, foliis confertis imbricatis adpressis erecto-patulisve obovato-oblongis convexiusculis mucronatis subtus striatis, marginibus cartilagineis ciliatis scabris, ramulis tenuissime pubescentibus.

New Zealand (Northern Island). Among ferns on the hills near the Bay of Islands.—1820, *C. Fraser*.—1834, *R. Cunningham*.

3. PENTACHONDRA, *R. Br.*

410. *P. pumila*. *Br. Prodr.* i. p. 549. *Rœm. et Sch. Syst. Veg.* iv. p. 487. *A. Rich. Fl. Nov. Zel.* p. 217.—*Epacris pumila*. *Forst. Prodr. n.* 70. *Linn. Suppl.* p. 138. *Pers. Syn.* i. p. 174.

New Zealand (Middle Island), summits of the bleakest and barest mountains.—1773, *G. Forster*.

Obs. *Caules* subpalmares, erecto-patentes, filiformes, foliosi, ex eadem radice plures, basi aphylli subterranei, vix ramosi. *Folia* minima, ovata, acuta, integerrima, 6—7-nervia, umbilicata, apice cartilagineo rubro. *Flores* solitarii in apice ramulorum sessiles. *Forst.*

4. EPACRIS, *Smith, Labill.*

411. *E. pauciflora*, foliis rhombeo-ovatis subacuminatis erectis concavis imbricatis crassis 3-nerviis muticis, floribus solitariis axillaribus pedicellatis, pedicellis multibracteatis, calycibus acutis tubum corollæ superantibus, staminibus inclusis. *A. Rich. Fl. Nov. Zel.* p. 213.

Toé-toé Incol. see *D'Urville*.—*Kowangatura*. *R. Cunningham*.

New Zealand (Northern Island). Shores of the Bay of Islands in open heaths.—1826, *A. Cunningham*.—1827, *D'Urville*.

5. DRACOPHYLLUM, *Labill.*

412. *D. latifolium*; arboreum, foliis linearibus valde attenuatis (sesquipedalibus) basi dilatatis vaginantibus, paniculis terminalibus ramosis.—*Epacris latifolia*. *Banks et Sol. Mss.*

New Zealand (Northern Island). Dry woods on the Kana Kana river, Bay of Islands.—1769, *Sir Jos. Banks*.—1826, *A. Cunningham*.

413. *D. longifolium*, arboreum, foliis lineari-lanceolatis acuminatis (sæpe in ramis junioribus spithamæis) basi dilatatis vaginantibus, racemis lateralibus simplicibus reticulatis. *R. Br. Mss.* *A. Rich. Fl. Nov. Zel.* p. 219. *Rœm. et Sch. Syst. Veg.* iv. p. 385.—*Epacris longifolia*. *Forst. Prodr. n.* 68.

New Zealand (Middle Island). In woods.—1773, *G. Forster*.

414. *D. rosmarinifolium*, fruticosum, foliis linearibus rigidis erectis (sex-quiuncialibus) apice obtusis basi dilatatis vaginantibus, floribus axillaribus solitariis. *R. Br. A. Rich. Fl. Nov. Zel.* p. 200. *Rœm. et Sch. Syst. Veg.* iv. p. 385.—*Epacris rosmarinifolia*. *Forst. Prodr. n.* 69.

New Zealand (Middle Island). On the summits of the highest mountains.—1773, *G. Forster*.

415. *D. Urvillianum*, fruticosum, foliis fasciculatis linearibus acutis rigidis, margine retrorsum scaberulis basi dilatata vaginantibus floribus 2—4-spicatis, squamulis oblongo-lanceolatis acutis ciliatis, limbi corollæ laciniis ovali-acuminatis. *A. Rich. Fl. Nov. Zel.* p. 221.—*D. attenuatum*. *A. C. Mss.* 1826.

New Zealand (Northern Island). Open fern grounds on the shores of the Bay of Islands.—1826, *A. Cunningham*. (Middle Island), Tasman's Bay on rocks.—1827, *D'Urville*.

416. *D. Lessonianum*, foliis fasciculatis longioribus linearibus acutis subulatis semiteretibus glabris retrorsum scaberulis basi dilatatis subciliatis, floribus 6—8 alternis pedicellatis in spicam terminalem dispositis, squamulis 3—4 longitudine calycis longe acuminatis sepalis ciliatis longitudine corollæ, limbi laciniis oblongo-lanceolatis. *A. Rich. Fl. Nov. Zel. p. 223.*—*D. rosmariniforme. R. C. Mss. 1834.*

New Zealand (Northern Island). Banks of the Keri-Keri river, Bay of Islands.—1834, *R. Cunningham*. (Middle Island,) on rocks.—1827, *D'Urville*.

ERICEÆ, *R. Br.*GAULTHERIA, *L.*

417. *G. antipoda*, caule fruticoso ramoso ramis lanuginosis, foliis obovato-orbiculatis obtusis serratis glabris, floribus axillaribus solitariis pedicellatis. *A. Rich. Fl. Nov. Zel. p. 211. Forst. Prodr. n. 196. Willd. &c.*

Ton-aye Incol., D'Urville. — Kehuhutia, R. Cunningham.

New Zealand (Middle Island).—1773, *G. Forster*. (Northern Island). Open fern lands, Bay of Islands.—1826, *A. Cunningham*.—1827, *D'Urville*.—1834, *R. Cunningham*.

418. *G. rupestris*, (*R. Br.*) caule suffruticoso ramoso, ramulis verrucosis non hispidis, foliis elliptico-lanceolatis serrulatis utrinque glabris (uncialibus) racemis axillaribus terminalibusve simplicibus folio longioribus, rachi pedicellisque pilosis.—*Andromeda rupestris. Forst. Prodr. n. 195. A. Rich. Fl. Nov. Zel. p. 208. t. 27.*

New Zealand (Middle Island). In swamps and on wet rocks.—1773, *G. Forster*.

419. *G. fluviatilis*, caulibus suffruticosis procumbentibus, ramis crinitis, foliis lineari-lanceolatis obtuse acuminatis petiolatis (semiuncialibus) margine revolutis remote serratis, serraturis apiculoque obtusis callosis, supra tenuiter pilosis, subtus rugoso-striatis, racemis terminalibus folio multoties longioribus, pedicello bracteatis villosis.—*Andromeda rupestris. R. C. Mss. 1834, non Forst.*

New Zealand (Northern Island). In the pebbly bed of the Keri-Keri river near the Great Fall, Bay of Islands.—1834, *R. Cunningham*.

CAMPANULACEÆ, *R. Br.*1. WAHLENBERGIA, *Schrad. (Campanula, sp. L.)*

Calyx 3—5-fidus. *Corolla* campanulata, basi tubulosa, limbo 3—5-fida. *Stamina* 3—5, inæqualia, filamenta basi simplicia. *Stigma* obtusum, trilobum, barbatum. *Capsula* trilocularis, univalvis, apice foramine triplici hians. *Dissepimenta* utrinque placentifera. *Semina* indefinita, pendula.

420. *W. gracilis*, caule erecto gracili tereti a basi ramoso glabro aut piloso, foliis linearibus integris aut dentatis, glabris aut pilosis, floribus terminalibus ad apicem ramorum solitariis 5-fidis, corolla ovario duplo triplove longiori. *A. Rich. Fl. Nov. Zel. p. 225.*—*Campanula gracilis. Forst. Prodr. n. 84. Br. Prodr. i. p. 561. Ræm. et Sch. Syst. Veg. v. p. 97. Bot. Mag. t. 691.*—*C. polymorpha, var. Sol. Ms. in Bibl. Banks.*

Ann. Nat. Hist. Vol. 2. No. 7. Sept. 1838.

Punai-uou Incol., *R. Cunn.* *Kouletao*, *D'Urville*.

Obs. Species polymorpha valde variabilis, cujus hujus varietates e Nova Zelandia et Nova Caledonia, in Herb. Banks. vidi. *R. Br.*

New Zealand (Northern Island). Among ferns on the hills, Bay of Islands, &c.—1834, *R. Cunningham*. (Middle Island).—1773, *G. Forster*. Astrolabe Harbour.—1827, *D'Urville*.

2. LOBELIA, L.

421. *L. alata*. *Br. Prodr.* i. p. 562. *A. Rich. Fl. Nov. Zel.* p. 227. *Rœm. et Sch. Syst. Veg.* v. p. 68. *Labill. Nov. Holl.* i. p. 51. t. 72.

Pourao Incol. sec. *D'Urville*.—*Wae-wae-Kou-kou*, *R. Cunningham*.

New Zealand (Northern Island). Sea coast near the Bay of Islands, on rocks.—1834, *R. Cunningham*. (Middle Island), Astrolabe Harbour.—1827, *D'Urville*.

422. *L. angulata*. *Forst. Prodr.* n. 309. *Willd. Sp. Pl.* i. p. 951. *Rœm. et Sch. Syst. Veg.* v. p. 65. *A. Rich. Fl. Nov. Zel.* p. 227.

New Zealand (Middle Island).—1773, *G. Forster*. (Northern Island.) Valley of Wangaroa.—1826, *A. Cunningham*.

423. *L. littoralis* (*R. Cunn.*) procumbens, glaberrima, caulibus adscendentibus gracilibus, foliis subrotundo-ovatis grosse dentatis, pedunculo ebracteato florifero plus duplo brevioribus floribus axillaribus solitariis pedunculis fructiferis valde elongatis.

New Zealand (Northern Island). On the shores of the Keri-Keri and Kana-Kana rivers, Bay of Islands.—1834, *R. Cunningham*.

424. *L. submersa* (*R. Cunn.*) repens, cæspitosa, radicans, foliis (semiuncialibus) lineari-spathulatis obtusis integerrimis subrepandisve infra medium attenuatis piligeris, pedunculo ebracteato parum longioribus, staminibus epipetalis.

New Zealand (Northern Island). In stagnant water, lodged in basins of the rock in the bed of the Keri-Keri river, Bay of Islands.—1834, *R. Cunningham*.

425. *L. physaloides*, suffruticosa glabra, caule anguloso subramoso, foliis ovato-oblongis longe petiolatis acutis inæqualiter serratis, racemis terminalibus nutantibus laciniis calycinis linearibus dimidium corollæ vix æquantibus, capsula globosa torulosa.

Odu vel *Oru* Incol. vulgo dicitur.

New Zealand (Northern Island). In damp woods at Wangaroa, Matauri, &c., Bay of Islands.—1834, *R. Cunningham*.

Planta (in horto) vix ad basin suffruticosa, duo vel tripedalis, ramulis rotundato-angulatis purpureo-luridis. *Folia* alterna, ovata, acuta, valde prominenti-venosa, petiolata, 3—4 uncias longa, inæqualiter serrata, serraturis glanduloso-callosis, petiolis biuncialibus, supra canaliculatis, basi incrassatis decurrentibus. *Racemi* divisi, 6—8-flori. *Pedunculi* alterni unciati, bracteis foliaceis linearibus suffulti. *Calycina laciniæ* lineari-lanceolatae, subulatae, acutae, corolla plus duplo breviores. *Corolla* cœrulea, unciam longa, laciniis lanceolatis attenuatis lineatis stamina æquantibus. *Antheræ* exsertae, apice penicillatae. *Stigma* dila-

tatum, bilobum, lobis rotundatis supra convexis glabriusculis, subtus concavis dense villosis.

Obs. In horto regio Kewensi colitur, ubi quotannis floret.

STYLIDÆ.

1. STYLIDIUM, Swartz. Labillardière.

426. *S. spathulatum*. *Br. Prodr.* i, p. 569. *A. Rich. Fl. Nov. Zel.* p. 229. New Zealand (Middle Island). Tasman's Bay (lat. 40½ S.).—1827, *D'Urville*.

This plant, a native of the south coast of Australia, is here admitted as indigenous also to New Zealand, solely on the authority of M. Achille Richard, who has described a plant which was found on the shores of Tasman's Bay in the voyage of L'Astrolabe, and which he has referred to *Stylidium*. He says, "Nous avons rapporté au *Stylid. spathulatum* de Brown un seul petit échantillon de ce genre qui a été recueilli par le capitaine lui-même à la baie Tasman. La seule différence que notre échantillon nous ait présentée, c'est que la hampe est légèrement poilue dans sa partie inférieure, tandis que, selon la phrase du célèbre auteur du 'Prodrome de la Nouvelle Hollande,' elle serait tout-à-fait glabre. Mais cet différence est de trop peu d'importance pour former un caractère distinctif." *A. Rich. l. cit.*

Of this genus, no species was detected in New Zealand, either in the several voyages of Cook or in that of Vancouver, and the order has hitherto been represented on those islands by the following genus only.

2. FORSTERA, L. Forster.

427. *F. sedifolia*. *L. fil. Willd. Sp. Pl.* 4. p. 149. *Pers. Syn.* 2. p. 211. *A. Rich. Fl. Nov. Zel.* p. 229. *Forst. in Nov. Act. Ups.* 3. p. 184. tab. 9. New Zealand (Middle Island), summits of mountains at Dusky Bay.—1773, *G. Forster*.—1791, *Arch. Menzies*.

Obs. *Radix* perennis. *Caulis* adscendens, palmaris, radicans. *Folia* linearia, carnosa, obtusa. *Pedunculi* solitarii, uniflori, longissimi. *Flores* albi, fauce rubescente.

GOODENOVIÆ, R. Br.

1. GOODENIA, Smith.

428. *G. repens*. *Br. Prodr.* 1. p. 579. *Labill. Nov. Holl.* 1. p. 53. tab. 76. *A. Rich. Fl. Nov. Zel.* p. 228. *Rœm. et Sch. Syst. Veg.* 5. p. 31.—*G. radicans*. *Rœm. et Sch. Syst. Veg.* 5. p. 32.—*G. littoralis*. *Br. Gen. Remarks in Flinders's Voy.* 2. p. 561.

Réko-réko Incol. *D'Urville*. *Raumauga*, nomen vernaculum sec. *R. Cunn.*

New Zealand (Northern Island). Saltwater creeks, saltwater marshes, &c., Wangaroa.—1834, *Rich. Cunningham*. (Middle Island). Sandy shores of Astrolabe Harbour.—1827, *D'Urville*.

2. SCÆVOLA, L.

429. *S.?* *Novæ Zelandiæ*, calyce (quinquepartito?) ovario multo brevior, foliis obovatis valde reticulatis glabris distanter denticulatis, axillis barbatis.

New Zealand (Northern Island). On the sea coast, opposite the Cavallos Isles.—1834, *R. Cunningham*.

From the very imperfect specimens I possess, the genus of this remarkable plant cannot be satisfactorily determined. The presence, however, of barbated stipuliform appendages at the axillæ, as also of the bilocular fruit, have induced me to place it here rather than with *Euphorbiaceæ*, with which habit, &c., seem to indicate its affinity.

[To be continued.]

VIII.—*An attempt to ascertain the Fauna of Shropshire and North Wales.* By T. C. EYTON, Esq., F.L.S.

[Continued from vol. i. p. 293.]

No. III. *Aves.*

Charadrius pluvialis, Linn. (Golden Plover.) Has several times occurred in the district during winter; is said to breed on the mountains above Chirk Castle.

Charadrius hiaticula, Linn. (Ringed Plover.) Common in the neighbourhood of Holyhead and Rhoscolyn, where I have several times found the eggs.

Vanellus cristatus, Meyer. (Lapwing.) Common both during summer and winter.

Œmatopus ostralegus, Linn. (Oyster Catcher.) Common on the Welsh coast. A remarkable change in the form of the bill takes place in the young of this species during its progress towards maturity. On leaving the egg the bill is not very unlike in form to that of the golden Plover, and well adapted for picking up minute insects and mollusca, at that time its natural food; indeed, had it the perfect wedge-shaped bill of the adult, the strength necessary to divide as it were the limpet from the rock would be wanting.

Squatarola cinerea. (Grey Squatarole.) One specimen has been sent to me obtained during last winter near Holyhead.

Ardea cinerea, Linn. (Common Heron.) Breeds in several localities within the district; numbers of nests may be seen on the precipitous rocks in the neighbourhood of the South Stack lighthouse; when the young are nearly fledged, if a noise be made under the nests by striking the oars against the side of the boat, they will often spring out and fall into the sea.